

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	((thermal\$2 or temperature) and expan\$4 and (quartz or eucryptite) and hysteresis and ceramic).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 17:41
L2	6	((thermal\$2 or temperature) and expan\$4 and (quartz or eucryptite) and (temperature near2 treatment) and ceramic).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 17:42
S1	2	"6011886".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 11:53
S2	4	("5351321" "5104209").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/19 19:12
S3	12	("5186729" "4814297" "3617317" "5336643" "5591682").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 12:28
S4	2	"6780514".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 12:01
S5	18	("5042898"   "5430817"   "5757540").PN. OR ("6011886").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 12:01
S6	1	S5 and (hysteresis or ppm)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 12:20
S7	6	("6087280" "4683320" "5405655" "5420222" "5761367" "6078709").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 12:20
S8	2	S7 and (hysteresis or ppm)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 12:27

## EAST Search History

S9	38	("3617317"   "3812689"   "4042403"   "4042477"   "4083727"   "4209229"   "4473563"   "4725110"   "4814297"   "5021395"   "5042898"   "5126316"   "5186729"   "5322559"   "5336643"   "5426714"   "5433778"   "5514360"   "5591682").PN. OR ("6087280").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 12:23
S11	38	("3617317"   "3812689"   "4042403"   "4042477"   "4083727"   "4209229"   "4473563"   "4725110"   "4814297"   "5021395"   "5042898"   "5126316"   "5186729"   "5322559"   "5336643"   "5426714"   "5433778"   "5514360"   "5591682").PN. OR ("6087280").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 14:33
S12	9	S11 and (hysteresis or ppm)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:10
S13	2385	((thermal or temperature) near2 expans\$4 near2 coefficient) or "tec" or "cte") and (hysteresis or ppm) and (quartz or eucryptite)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 14:43
S14	30	((thermal or temperature) near2 expans\$4 near2 coefficient) or "tec" or "cte") and (hysteresis same ppm) and (quartz or eucryptite)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 15:12
S15	352	S13 and ((heat\$3 or (high near temperature)) same (cool\$3 or (low near temperature)) same (cycle or alternat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:18
S16	39593	"385"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:10
S17	29831	"501"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:10
S18	1	S15 and S16 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:10
S19	48	S15 and (S16 or S17)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:28
S20	42	S19 not S14	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:20

## EAST Search History

S21	375	S13 and ((heat\$3 or ((high or elevat\$3) near temperature)) same (cool\$3 or ((low or lower\$3) near temperature)) same (cycle or alternat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:28
S22	52	S21 and (S16 or S17)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:10
S24	4	S22 not (S14 or S20)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:29
S25	367	((((thermal or temperature) near2 compensat\$3) or athermal\$4) same ((bragg adj grating) or "fbg"))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 14:03
S26	237	S25 and (S16 or S17)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:28
S27	19	S26 and ((heat\$3 or ((high or elevat\$3) near temperature)) same (cool\$3 or ((low or lower\$3) near temperature)) same (cycle or alternat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:10
S28	9	S27 not (S14 or S22)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:28
S29	22	("20020172446"   "20030012500"   "4725110"   "4807950"   "5042898"   "5077816"   "5327515"   "5351321"   "5367588"   "5694503"   "5703978"   "5745617"   "5757540"   "5841920"   "5844667"   "6044189"   "6049414"   "6087280"   "6101301"   "6108470"   "6181851"   "6356683").PN. OR ("6987909").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 16:34
S30	127	S26 and ((degree or temperature) same (cycle or alternat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:26
S31	85	S26 and ((degree or temperature) with (cycle or alternat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:27
S32	107	S30 not (S14 or S22 or S27)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:48
S33	3050	385/37.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:56

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S34	79	matano.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:57
S37	9	S34 and "takahiro"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 17:58
S38	936	((((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4) and (quartz or eucryptite) and (hysteresis or ppm)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:17
S39	38	((((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4) and (beta near (quartz or eucryptite)) and (hysteresis or ppm)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:14
S41	71	((((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4) and (beta near (quartz or eucryptite))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 18:27
S42	3050	385/37.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:13
S43	38	S42 and (((((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4) same (quartz or eucryptite))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 12:00
S44	71	((((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4) and (beta near (quartz or eucryptite))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 12:00
S45	25	S43 not S44	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:20
S46	333	501/4.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:58
S47	344	501/7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:17
S48	319	S46 not (S43 or S44)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:34
S49	234	S47 not (S43 or S44 or S46)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:41
S53	428	S42 and (((((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:41
S54	384	S53 not (S43 or S44 or S46 or S47)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 11:57

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S55	2622	S42 not (S43 or S44 or S46 or S47 or S53)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 12:03
S57	345	501/4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 11:59
S58	12	S57 not S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 11:59
S59	346	501/7.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 11:59
S60	2	S59 not S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 11:59
S61	3287	385/37.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 11:59
S62	38	S42 and (((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4) same (quartz or eucryptite))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 12:00
S63	80	(((thermal\$2 or temperature) near2 compensat\$3) or athermal\$4) and (beta near (quartz or eucryptite))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 12:01
S65	9	S63 not S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 12:01

## EAST Search History

S66	2859	S61 not (S43 or S63 or S59 or S57 or S53)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 14:51
S67	1946	S66 and @pd>"20000101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 13:23
S68	913	S66 not S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 13:42
S69	367	((((thermal or temperature) near2 compensat\$3) or athermal\$4) same ((bragg adj grating) or "fbg"))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 14:03
S70	367	S69	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 14:07
S71	29831	"501"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/21 14:42
S74	285	S71 and (((thermal\$2 or temperature) near2 expan\$4 near2 coefficient) or "tec" or "cte") and (quartz or eucryptite) and ((heat\$3 or cool\$3 or temperature or degree) same (cycle or alternating or alternate or alternately or alternated or alternately))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 14:51
S75	225	S74 not (S43 or S63 or S59 or S57 or S53 or S61 or S69)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/21 14:52